

USSN 09/408,716

Attorney Docket No. 01413.0011-00000

EXHIBIT A

(3 sheets)

Visual Informatics and Data Mining

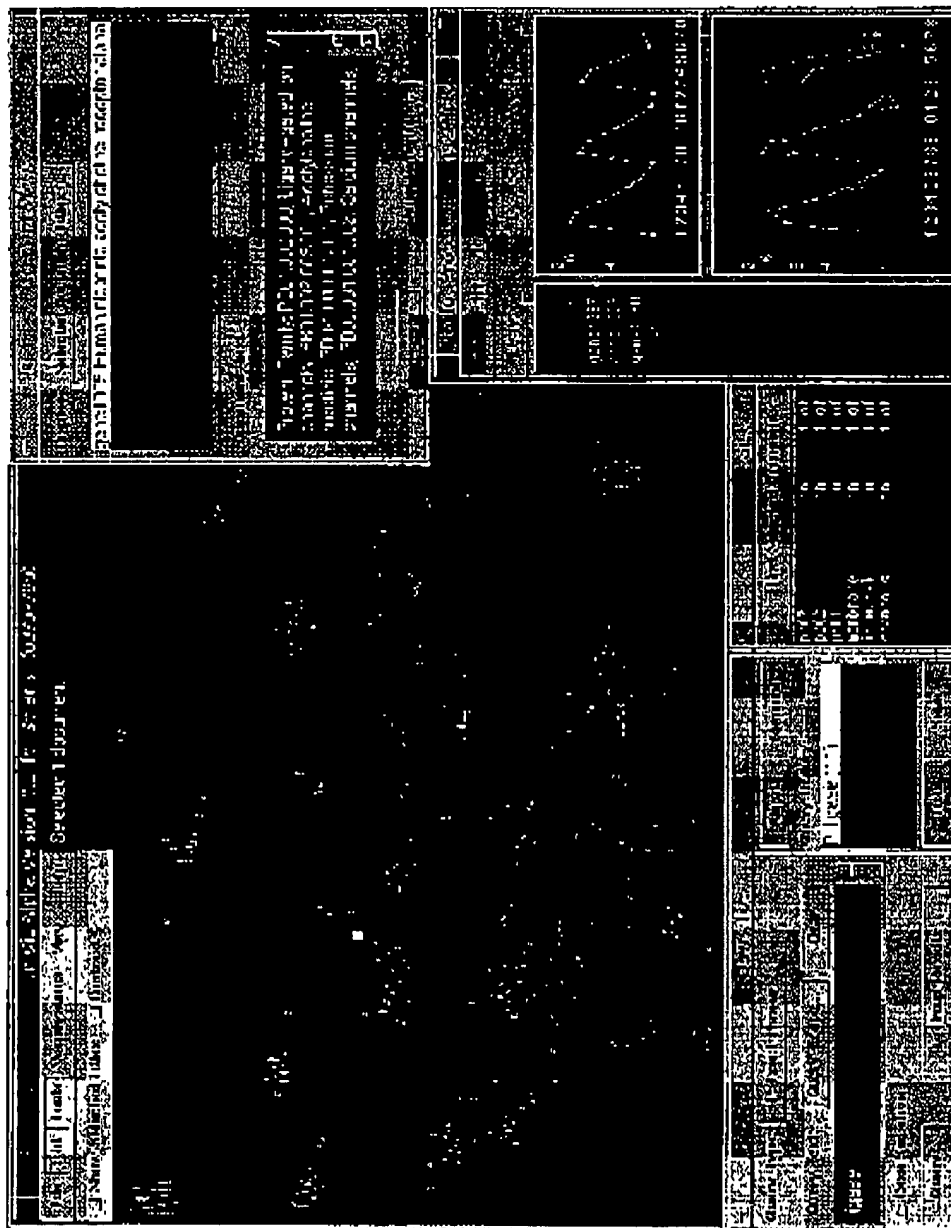
Concepts and a Real-Life Example

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Slide 1

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Galaxy View



Slide 2

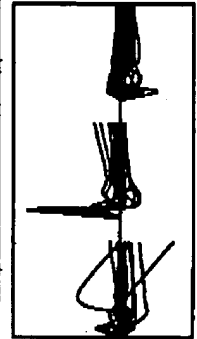
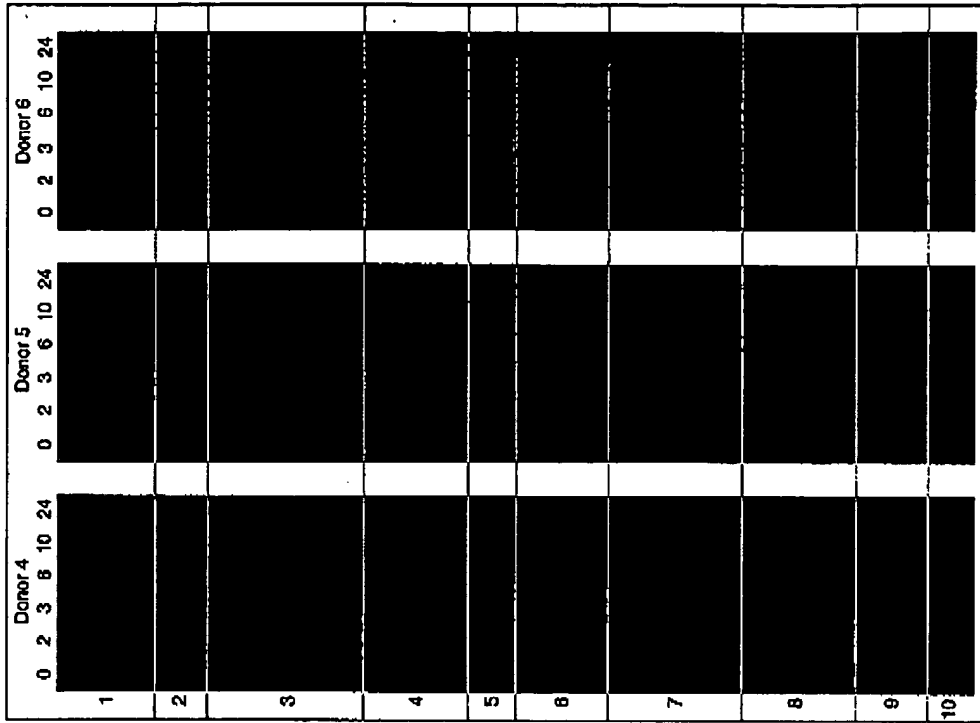
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Donor-specific Behavior

- In CorScape of ratio data (806 genes in 10 clusters), cluster 10 has donor 5-specific behavior
- Cluster contains a group of genes related to neuro-endocrine stress response
- Hypothesis (somewhat facetious): donor 5 stressed by blood donation
- We can refine hypothesis by considering coefficients of variation

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Slide 3



806 genes, log(ratio) Normalization, 10 clusters, PAM



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